Building and Optimizing the Dockerfile

```
C:\Users\kaysagun\Desktop\CoE_197\ME8_Containerization_and_Docker\3-building_images>docker images
REPOSITORY   TAG       IMAGE ID       CREATED       SIZE
ubuntu       16.04     aefd7f02ae24   2 weeks ago   134MB

C:\Users\kaysagun\Desktop\CoE_197\ME8_Containerization_and_Docker\3-building_images>docker build -t kaysagun/ping .
[+] Building 264.8s (6/6) FINISHED
 => [internal] load build definition from Dockerfile                                                                 10.6s
 => => transferring dockerfile: 356B                                                                                  5.0s
 => [internal] load .dockerignore                                                                                     8.3s
 => => transferring context: 2B                                                                                       2.6s
 => [internal] load metadata for docker.io/library/ubuntu:16.04                                                       0.1s
 => [1/2] FROM docker.io/library/ubuntu:16.04                                                                         6.2s
 => [2/2] RUN apt-get update     && apt-get install -y iputils-ping     && apt-get clean     && cd /var/lib/apt  229.7s
 => exporting to image                                                                                               10.6s
 => => exporting layers                                                                                               8.4s
 => => writing image sha256:b2b0e0958500f5e49522f9d81d04a325dcaf8709d458b404da4efa4510cb4c9a                          0.4s
 => => naming to docker.io/kaysagun/ping                                                                              0.6s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them


C:\Users\kaysagun\Desktop\CoE_197\ME8_Containerization_and_Docker\3-building_images>docker build -t kaysagun/ping .
[+] Building 3.9s (6/6) FINISHED
 => [internal] load build definition from Dockerfile                                                                  3.7s
 => => transferring dockerfile: 32B                                                                                   1.0s
 => [internal] load .dockerignore                                                                                     1.9s
 => => transferring context: 2B                                                                                       0.1s
 => [internal] load metadata for docker.io/library/ubuntu:16.04                                                       0.0s
 => [1/2] FROM docker.io/library/ubuntu:16.04                                                                         0.0s
 => CACHED [2/2] RUN apt-get update     && apt-get install -y iputils-ping     && apt-get clean     && cd /var/lib/apt/lists && rm -fr *Release* *Sources* *Packa  0.0s
 => exporting to image                                                                                                0.8s
 => => exporting layers                                                                                               0.0s
 => => writing image sha256:b2b0e0958500f5e49522f9d81d04a325dcaf8709d458b404da4efa4510cb4c9a                          0.3s
 => => naming to docker.io/kaysagun/ping                                                                              0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\kaysagun\Desktop\CoE_197\ME8_Containerization_and_Docker\3-building_images>docker images
REPOSITORY      TAG       IMAGE ID       CREATED         SIZE
kaysagun/ping   latest    b2b0e0958500   5 minutes ago   138MB
ubuntu          16.04     aefd7f02ae24   2 weeks ago     134MB

C:\Users\kaysagun\Desktop\CoE_197\ME8_Containerization_and_Docker\3-building_images>docker run -it kaysagun/ping
PING google.com (142.250.204.46) 56(84) bytes of data.
64 bytes from 142.250.204.46: icmp_seq=1 ttl=37 time=937 ms
64 bytes from 142.250.204.46: icmp_seq=2 ttl=37 time=65.7 ms
64 bytes from 142.250.204.46: icmp_seq=3 ttl=37 time=34.6 ms
64 bytes from 142.250.204.46: icmp_seq=4 ttl=37 time=31.8 ms
^C
--- google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3269ms
rtt min/avg/max/mdev = 31.859/267.536/937.891/387.257 ms
```